

# MANUFACTURING EXTENSION PARTNERSHIP

## Success Stories from the Field

### Pilgrim Screw Corporation

#### Rhode Island Manufacturing Extension Services

#### Layout Design Keeps New Equipment Investment Within Budget for Pilgrim Screw Corporation

##### Client Profile:

Pilgrim Screw Corporation is a manufacturer of aerospace and military fasteners. Established in 1932, Pilgrim is widely recognized as the premier producer of machine screws, tapping screws and bolts. The company employs 35 people at its facility in Providence, Rhode Island.

##### Situation:

Pilgrim Screw had placed an order for a new piece of equipment to produce a new fastener line. The investment to the company was in excess of \$250,000, and the new equipment was expected to produce a line of product that would ensure that Pilgrim could satisfy their client base with a multidimensional product line that would increase their market-share and continue to set them apart from the competition. Initially, the size specification from the manufacturer was approved and the location for the new equipment was appointed. Two weeks before the delivery date, the Pilgrim team realized that the specified area designated for the new equipment could not physically work with the new measurement. Pilgrim Screw's management team contacted the Rhode Island Manufacturing Extension Services (RIMES), a NIST MEP network affiliate, for assistance.

##### Solution:

RIMES' plant layout and design specialist, Carl Dwinnells, met with the Pilgrim team and worked through the physical specifications to identify a new area for the equipment and develop a plan to relocate existing machinery and equipment as not to disrupt the manufacturing flow of material. AutoCAD drawings were used as the template for the move and aided in the installation. RIMES services allowed Pilgrim to adjust to an unforeseen circumstance and enabled them to make both new and existing equipment work properly in the flow of the manufacturing process. The AutoCAD drawings allowed the team members to understand the phase of the equipment moves and ensure that they were done in the appropriate time frame. Because of the template and timeline developed by RIMES, the riggers that were hired for the project were called in at the appropriate time for the final installation. If the layout had not been done in such an expeditious way, Pilgrim Screw could have had riggers on hand to fit the equipment into an area that would not have been suitable, costing the company up to \$20,000. With RIMES' assistance, the project came in on budget, on time, and provided the company the ability to integrate the new equipment into the production process seamlessly.

##### Results:

\* Realized \$20,000 in cost savings.

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**Testimonial:**

"Working with RIMES on this project saved Pilgrim \$20,000. Their [RIMES] ability to act quickly and provide a blueprint for the new equipment installation allowed for this project to come in on time and on budget."

Geoffrey Grove, President